



AquesLacq 20 sheen Exterior Topcoat

680-20VN-658

AquesLacq 20 sheen Exterior Topcoat is an exterior water-based topcoat designed for outdoor furniture that can be cured under ambient conditions, or may be forced cured in a production environment using an oven with hot air movement.

- Very low VOC and odor
- Good clarity and fast dry
- Excellent yellowing resistance and moisture frost test resistance
- Excellent chemical resistance to a wide range of household chemicals
- Free from APEO, heavy metals and formaldehyde

TECHNICAL DATA:

Main components	Polyurethane-acrylate hybrid polymer
Type	Water-based
Code Number	680-20VN-658
Color	Translucent, slightly opaque liquid
Flash Point	> 75°C
Specific Gravity	1.02 ± 0.05
Solids By Weight	29.45 ± 1.00%
pH	8.0 – 9.0
Gloss @60	18.0 - 20.0 (mix 100:2:3 bwt with 022 and water, dd 3mils on black glass, flash-off 5mins, oven 50C 20mins, cool down 5mins, check gloss)
Pot life	Approx. 6 hours (at 25°C). Recommend to mix enough for using. Not prefer to use the over-potlife solution.
Virgin Viscosity	65-70 KU by Stormer at 25°C.
Mixing Ratio	<u>For stain system:</u> 100 parts by weight of AquesLacq 680-20VN-658 2 parts by weight of AquesCure 649-JVN-022 3-5 parts by weight of clean water <u>For white and off-white system:</u> 100 parts by weight of AquesLacq 680-20VN-658 5 parts by weight of AquesLink Ultra Low yellowing X-linker 649-JVN-021 3-5 parts by weight of clean water



Diluted viscosity	28-32 second by Iwata Cup NK2 at 25°C.
Dry schedule	10-15 minutes air flashed followed by 50-60 minutes oven at 40-45°C (Board surface temperature) and 10-15 minutes cool to sand (weather condition, air ventilation and humidity would effect to dry condition)
Storage temperature	5 - 35°C, and always out of direct sunlight
Relative humidity	Optimum range 40% to 70%
Application	Use stainless steel spray gun
Retarder Reducer	Retarder reducer PG 50-XVN-2139 maybe required at 1-2% if humidity below ≤ 40% RH
Directions For Use	The AquesLacq 20 sheen Exterior Topcoat is to be <u>STIRRED WELL</u> before use.
Shelf Life	6 months in sealed container under shelter After ending of storage time, the product still can be usable, but some properties may vary from new product. Therefore, such over-stored product has to be applied with special attention. Opened can must be sealed correctly. Store in a cool but frost-protected area at all times.
Note	<ul style="list-style-type: none">* Film build for the entire finishing system including repairs should not exceed 4 dry mils.* Always ensure correct fluid and air pressures are used when spraying this product as well as correct spray tip and fan size. Incorrect setting may effect the final appearance of product.
Clean-up	Water
Handling caution	Please review MSDS before handling this product
Disposal note	Only residue emptied cans can be disposed via recycling. Liquid wastes must be disposed of according to national regulations.

2018-Oct-22 V1

All information in this technical data sheets are based on our present knowledge derived from products test and history. It may vary in different situations. Actual dilution rates and viscosities may vary due to specific customer requirements or application processes. Please contact the Technical Department for more clarifications.